Approved For Refease 2002/08/06: CIA-RDP78B047479202400050021-8

MEMORANDUM

	21	December 1967	
			STAT
SUBJECT 9-1/2" BLACK	AND WHITE	PROCESSOR MODIFIC	CATIONS STAT
COPIES	(2)		STAT
The following chang processor are the approach	ges of the 9-1/2" black	and white	STAT
functioning system. These	changes will enable u	is to process film	STAT
1	adequately.	and the state of t	STAT

1. Replenishing System

The replenishing system will consist of replenishing tanks sufficient in size to process 500 feet of film. (Figure 1) These tanks will be installed above the processor which will provide the required head pressure to operate the flow meters. Each processing module will be modified by the addition of overflow stand pipes. The replenishing tank supports will be permanently mounted on the processor. The replenishment tanks shall be detachable for ease of maintenance. Each tank will be furnished with a lid to reduce aerial oxidation and evaporation.

2. Dryer

There are two possible design approaches to the drying problem which shall be studied.

- A. The simplest modification appears to be the addition of a second infra red source which will be installed so that the radiation is applied to the emulsion side of the film. (Figure 2.) Approximately one-half of the existing air knives will be removed to facilitate the installation of a second infra red source. The existing cooling system should be sufficient to accommodate this additional load. It may be nécessary to provide a second voltage control unit.
- B. The second design approach will require extensive modification to the takeup end of the processor. These modifications will consist of removing the infra red source air knives and supporting equipment. This system as shown in Figure 1 will be of the heated air impingement plenum type and will consist of three air plenums and the associated

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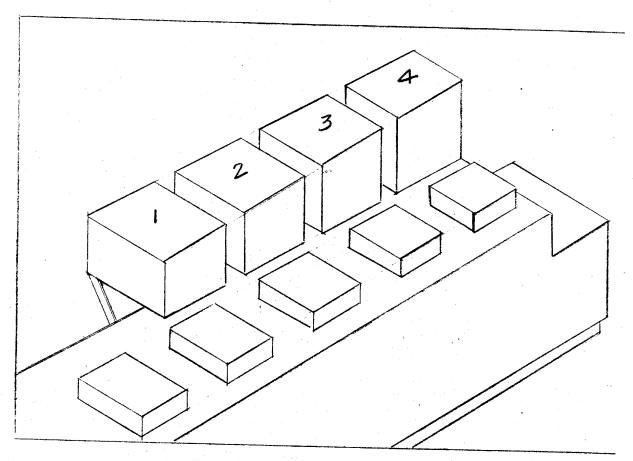
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	rollers required to guide the air, the existing blower will reducing carryover. An addi section. This dryer blower under the vacuum capstan, thanticipated. (Figure 3.)	be used for the wet s tional blower will be will be housed inside	ection only, further used for the dryer the available space
·	3. <u>Temperature Indicating S</u>	ystem	
	The temperature indicand reliability. If the prese placed with a thermister operation. The Film Transport Indicates	nt system proves unu ated system.	
		licating system will c	consist of an independent djacent to the speed
	EVAT TINGTONI		
	Further testing will be condu- and 9-1/2" film widths and o	cted to establish rep	The state of the s
	All modifications to t Further testing will be condu	cted to establish rep	lenishing rates for 70mm

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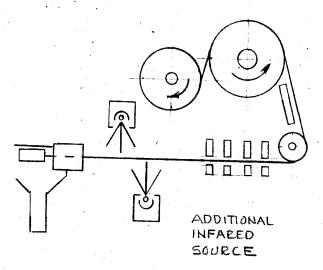
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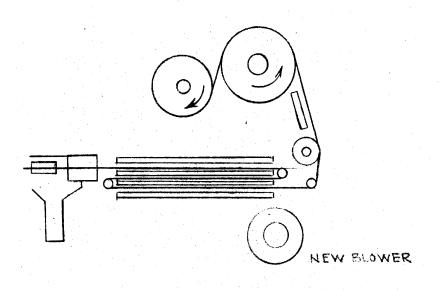
REPLENISHMENT MODIFICATION

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INFARED DRYER MODIFICATION

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PLENUM DRYER MODIFICATIONS

FIG. 3

STAT

Dear Ray -

Please let me know if you concur with this program.

Very sincerely

Abrowered verbally by phone. - OK. RAS.